

Serial No. 10/657,913

AMENDMENT TO THE SPECIFICATION

Please amend the title as shown in the following Marked-Up Version of the replacement title:

CONNECTOR ADAPTER FOR OPTICAL FIBER CABLE

Please amend the entire paragraph beginning at page 1, line 4, as shown in the following Marked-Up Version of the replacement paragraph:

The present invention relates to a ~~connector~~ an adapter, and more particularly to a ~~connector~~ an adapter for an optical fiber cable, wherein each of the optical fiber cables with connectors can be removed from the respective connecting tube easily and rapidly for replacement, thereby shortening the testing time, and thereby enhancing the testing efficiency.

Please amend the entire paragraph beginning at page 1, line 10, as shown in the following Marked-Up Version of the replacement paragraph:

A conventional ~~connector~~ adapter 7 for an optical fiber cable in accordance with the prior art shown in Fig. 13 comprises a first connecting member 71 having a plane 711 and a positioning sleeve 712 inserted into the plane 711, a second connecting member 72 having a plane 721 and a positioning sleeve 722 inserted into the plane 721, and a connecting tube 73 having a first end 731 inserted into the positioning sleeve 712 of the first connecting member 71 and a second end 732 inserted into the positioning sleeve 722 of the second connecting member 72.

Please amend the entire paragraph beginning at page 2, line 6, as shown in the following Marked-Up Version of the replacement paragraph:

Another conventional ~~connector~~ adapter for an optical fiber cable in accordance with the prior art shown in Fig. 14 comprises two connecting members 71A each having a plane 711A

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and a positioning sleeve 712A inserted into the plane 711A, and a connecting tube 74A having two ends each inserted into the positioning sleeve 712A of the respective connecting member 71A.

Please amend the entire paragraph beginning at page 2, line 20, as shown in the following Marked-Up Version of the replacement paragraph:

Another conventional ~~connector~~ adapter 8 for an optical fiber cable in accordance with the prior art shown in Figs. 15 and 16 comprises a connecting seat 81 formed with an insertion hole 812 and an inner thread 811, a connecting sleeve 82 mounted on the connecting seat 81 and formed with an insertion hole 822 and having an outer thread 821 screwed into the inner thread 811 of the connecting seat 81, and a connecting tube 83 having two ends inserted into the insertion hole 812 of the connecting seat 81 and the insertion hole 822 of the connecting sleeve 82 respectively.

Please amend the entire paragraph beginning at page 3, line 13, as shown in the following Marked-Up Version of the replacement paragraph:

Another conventional ~~connector~~ adapter 9 for an optical fiber cable in accordance with the prior art shown in Fig. 17 comprises a connecting seat 91 having a center formed with a connecting hole 913 having a first end formed with a first insertion hole 911 having an end face formed with a first inner thread 9111 and a second end formed with a second insertion hole 912 having an end face formed with a second inner thread 9121, a first connecting sleeve 93 having an outer wall formed with an outer thread 933 screwed into the first inner thread 9111 of the connecting seat 91 and an inner wall formed with a first receiving hole 931, a first connecting tube 92 having two ends inserted into the first insertion hole 911 of the connecting seat 91 and the first receiving hole 931 of the first connecting sleeve 93 respectively, a second connecting

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sleeve 95 having an outer wall formed with an outer thread 951 screwed into the second inner thread 9121 of the connecting seat 91 and an inner wall formed with a second receiving hole 952, and a second connecting tube 94 having two ends inserted into the second insertion hole 912 of the connecting seat 91 and the second receiving hole 952 of the second connecting sleeve 95 respectively. In addition, the first receiving hole 931 of the first connecting sleeve 93 has an end formed with a first catch edge 932 rested on the first connecting tube 92, and the second connecting tube 94 has an outer wall formed with a second catch edge 941 rested on the second connecting sleeve 95.

Please amend the entire paragraph beginning at page 4, line 19, as shown in the following Marked-Up Version of the replacement paragraph:

The primary objective of the present invention is to provide ~~a connector~~ an adapter for an optical fiber cable.

Please amend the entire paragraph beginning at page 4, line 21, as shown in the following Marked-Up Version of the replacement paragraph:

Another objective of the present invention is to provide ~~a connector~~ an adapter, wherein by connection of the quick connector and the insertion posts of the connecting member, each of the optical fiber cables is connected to the testing instrument stably and efficiently, thereby facilitating the testing instrument performing the relevant testing procedures.

Please amend the entire paragraph beginning at page 5, line 4, as shown in the following Marked-Up Version of the replacement paragraph:

A further objective of the present invention is to provide ~~a connector~~ an adapter, wherein each of the optical fiber cables can be mounted on and removed from the second

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insertion hole of a respective one of the connecting tubes easily and rapidly for facilitating replacement, thereby shortening the testing time, and thereby enhancing the testing efficiency.

Please amend the entire paragraph beginning at page 5, line 9, as shown in the following Marked-Up Version of the replacement paragraph:

In accordance with the present invention, there is provided ~~a connector~~ an adapter, comprising:

Please amend the entire paragraph beginning at page 6, line 7, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 1 is a partially cut-away perspective view of ~~a connector~~ an adapter in accordance with the preferred embodiment of the present invention;

Please amend the entire paragraph beginning at page 6, line 9, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 2 is an exploded perspective view of the ~~connector~~ adapter as shown in Fig. 1;

Please amend the entire paragraph beginning at page 6, line 11, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 3 is a partially cut-away perspective view of ~~a connector~~ an adapter in accordance with another embodiment of the present invention;

Please amend the entire paragraph beginning at page 6, line 13, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 4 is an exploded perspective view of the ~~connector~~ adapter as shown in Fig. 3;

Please amend the entire paragraph beginning at page 6, line 15, as shown in the following Marked-Up Version of the replacement paragraph:

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Fig. 5 is a partially cut-away perspective view of a ~~connector~~ an adapter in accordance with another embodiment of the present invention;

Please amend the entire paragraph beginning at page 6, line 17, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 6 is an exploded perspective view of the ~~connector~~ adapter as shown in Fig. 5;

Please amend the entire paragraph beginning at page 6, line 19, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 7 is a partially cut-away perspective view of a ~~connector~~ an adapter in accordance with another embodiment of the present invention;

Please amend the entire paragraph beginning at page 6, line 21, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 8 is an exploded perspective view of the ~~connector~~ adapter as shown in Fig. 7;

Please amend the entire paragraph beginning at page 7, line 1, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 9 is a partially cut-away perspective view of a ~~connector~~ an adapter in accordance with another embodiment of the present invention;

Please amend the entire paragraph beginning at page 7, line 3, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 10 is an exploded perspective view of the ~~connector~~ adapter as shown in Fig. 9;

Please amend the entire paragraph beginning at page 7, line 5, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 11 is a partially cut-away perspective view of a ~~connector~~ an adapter in accordance with another embodiment of the present invention;

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Please amend the entire paragraph beginning at page 7, line 7, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 12 is an exploded perspective view of the ~~connector~~ adapter as shown in Fig. 11;

Please amend the entire paragraph beginning at page 7, line 9, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 13 is an exploded perspective view of a conventional ~~connector~~ adapter in accordance with the prior art;

Please amend the entire paragraph beginning at page 7, line 11, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 14 is an exploded perspective view of another conventional ~~connector~~ adapter in accordance with the prior art;

Please amend the entire paragraph beginning at page 7, line 13, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 15 is an exploded perspective view of another conventional ~~connector~~ adapter in accordance with the prior art;

Please amend the entire paragraph beginning at page 7, line 15, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 16 is a plan exploded cross-sectional view of the conventional ~~connector~~ adapter as shown in Fig. 15; and

Please amend the entire paragraph beginning at page 7, line 17, as shown in the following Marked-Up Version of the replacement paragraph:

Fig. 17 is a plan exploded cross-sectional view of another conventional ~~connector~~ adapter in accordance with the prior art.

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Please amend the entire paragraph beginning at page 7, line 20, as shown in the following Marked-Up Version of the replacement paragraph:

Referring to the drawings and initially to Figs. 1 and 2, a ~~connector~~ an adapter in accordance with the preferred embodiment of the present invention comprises an insertion terminal 1, a connecting member 2, a plurality of (preferably two) connecting tubes 3 and 30 of different sizes, and a plurality of (preferably two) optical fiber cables 5 and 50.

Please amend the entire paragraph beginning at page 9, line 17, as shown in the following Marked-Up Version of the replacement paragraph:

The ~~connector~~ adapter further comprises a plurality of (preferably two) protective jackets 4 and 40 each mounted on an outer wall of a respective one of the connecting tubes 3 and 30 to protect and prevent the connecting tubes 3 and 30 from being interrupted.

Please amend the entire paragraph beginning at page 10, line 15, as shown in the following Marked-Up Version of the replacement paragraph:

Referring to Figs. 3 and 4, the ~~connector~~ adapter in accordance with another embodiment of the present invention comprises two connecting tubes 3 of the same size.

Please amend the entire paragraph beginning at page 10, line 18, as shown in the following Marked-Up Version of the replacement paragraph:

Referring to Figs. 5 and 6, the ~~connector~~ adapter in accordance with another embodiment of the present invention comprises two connecting tubes 30 of the same size.

Please amend the entire paragraph beginning at page 10, line 21, as shown in the following Marked-Up Version of the replacement paragraph:

Referring to Figs. 7 and 8, the ~~connector~~ adapter in accordance with another embodiment of the present invention comprises two connecting tubes 3 and 30 of different sizes,

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and the insertion terminal 10 has a first side formed with an insertion end 101 for combination with a testing instrument (not shown) and a second side formed with a receiving space 12.

Please amend the entire paragraph beginning at page 11, line 4, as shown in the following Marked-Up Version of the replacement paragraph:

Referring to Figs. 9 and 10, the ~~connector~~ adapter in accordance with another embodiment of the present invention comprises two connecting tubes 3 of the same size, and the insertion terminal 10 has a first side formed with an insertion end 101 for combination with a testing instrument (not shown) and a second side formed with a receiving space 12.

Please amend the entire paragraph beginning at page 11, line 9, as shown in the following Marked-Up Version of the replacement paragraph:

Referring to Figs. 11 and 12, the ~~connector~~ adapter in accordance with another embodiment of the present invention comprises two connecting tubes 30 of the same size, and the insertion terminal 10 has a first side formed with an insertion end 101 for combination with a testing instrument (not shown) and a second side formed with a receiving space 12.

Please amend the entire abstract as shown in the following Marked-Up Version of the replacement abstract:

~~A connector~~ An adapter connector includes an insertion terminal, a connecting member, a plurality of connecting tubes, and a plurality of optical fiber cables. Thus, by connection of the quick connector and the insertion posts of the connecting member, each of the optical fiber cables is connected to the testing instrument stably and efficiently, thereby facilitating the testing instrument performing the testing procedures. In addition, each of the optical fiber cables can be removed from the respective connecting tube easily and rapidly, thereby shortening the testing time, and thereby enhancing the testing efficiency.